

## EAST Search History

| Ref # | Hits    | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|---------|--|---|------------------|---------|------------------|
| L1    | 26806   | symbol\$1 with group\$1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/30 10:52 |
| L2    | 19739   | L1 and @ad<"20030601"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/30 10:52 |
| L3    | 120     | L2 and ((symbol\$1 with group\$1)<br>near3 assign\$4)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/30 10:53 |
| L4    | 0       | L3 and (((symbol\$1 with group\$1)<br>near3 assign\$4) with (phone or<br>telephone)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/30 10:54 |
| L5    | 31      | L3 and (((symbol\$1 with group\$1)<br>near3 assign\$4) and (phone or<br>telephone))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/30 11:18 |
| L6    | 3       | "111888".ap. and (symbol or assign or<br>group)                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/30 11:18 |
| S1    | 1652765 | computer   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/24 14:50 |
| S2    | 47709   | pda\$1 and phone\$1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/03/24 14:50 |

## EAST Search History

|     |       |                                |   |    |     |                  |
|-----|-------|--------------------------------|---|----|-----|------------------|
| S3  | 28589 | S2 and @ad<"20031001"          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/24 14:50 |
| S4  | 563   | S3 and (input with string\$1)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 10:31 |
| S5  | 340   | S4 and entire                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/24 14:51 |
| S6  | 6     | S5 and (bit near2 vector\$1)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/24 14:51 |
| S7  | 47945 | pda\$1 and phone\$1            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 10:31 |
| S8  | 28645 | S7 and @ad<"20031001"          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 10:32 |
| S9  | 334   | S8 and (input near3 string\$1) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 10:31 |
| S10 | 6946  | bit near2 vector\$1            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 10:32 |

## EAST Search History

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S11 | 5947 | S10 and @ad<"20031001"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 10:33 |
| S12 | 15   | S11 and ((bit near2 vector\$1) with (input with string\$1))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 10:34 |
| S13 | 127  | S11 and ((bit near2 vector\$1) with string\$1)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 15:36 |
| S14 | 0    | h785677.pn. and ((bit adj vector\$1) or non?alphanumeric or symbol\$1 or position\$1 or predetermined or determined or seconds or time\$1 or predex or frequency or statistical or weighting or weight\$1 or represent\$1 or email or e-mail or mobile or phone or number )   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 12:15 |
| S15 | 2    | "6785677".pn. and ((bit adj vector\$1) or non?alphanumeric or symbol\$1 or position\$1 or predetermined or determined or seconds or time\$1 or predex or frequency or statistical or weighting or weight\$1 or represent\$1 or email or e-mail or mobile or phone or number ) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 12:16 |
| S16 | 2    | "6778980".pn. and ((bit adj vector\$1) or non?alphanumeric or symbol\$1 or position\$1 or predetermined or determined or seconds or time\$1 or predex or frequency or statistical or weighting or weight\$1 or represent\$1 or email or e-mail or mobile or phone or number ) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 12:16 |
| S17 | 2    | "6499033".pn. and ((bit adj vector\$1) or non?alphanumeric or symbol\$1 or position\$1 or predetermined or determined or seconds or time\$1 or predex or frequency or statistical or weighting or weight\$1 or represent\$1 or email or e-mail or mobile or phone or number ) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 12:18 |

## EAST Search History

|     |       |   |   |    |     |                  |
|-----|-------|---|---|----|-----|------------------|
| S18 | 2     | "5774588".pn. and ((bit adj vector\$1) or non?alphanumeric or symbol\$1 or position\$1 or predetermined or determined or seconds or time\$1 or predex or frequency or statistical or weighting or weight\$1 or represent\$1 or email or e-mail or mobile or phone or number ) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 12:35 |
| S19 | 24    | non?alphanumeric adj symbol   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 12:35 |
| S20 | 21    | S19 and @ad<"20031001"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 12:35 |
| S21 | 14    | S20 and (email or mobile or number or address)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 12:36 |
| S22 | 2     | S20 and ((email or mobile or number or address) with (non?alphanumeric))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 12:37 |
| S23 | 54716 | (symbol\$1 with (email or address or number))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 12:37 |
| S24 | 43230 | S23 and @ad<"20031001"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 12:38 |
| S25 | 24    | S24 and (non?alphanumeric near3 symbol\$1)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 12:49 |

## EAST Search History

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S26 | 1009 | S24 and ((non?alphanumeric or alphanumeric or nonalphanumeric) near3 symbol\$1)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 12:50 |
| S27 | 24   | S24 and ((non?alphanumeric or nonalphanumeric) near3 symbol\$1)                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 12:59 |
| S28 | 546  | nonalphanumeric or non?alphanumeric   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 13:00 |
| S29 | 442  | S28 and @ad<"20031001"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 13:00 |
| S30 | 229  | S29 and symbol\$1   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 13:00 |
| S31 | 37   | S30 and ((nonalphanumeric or non?alphanumeric) with (email or address or number\$1) ) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 11:51 |
| S32 | 6    | "065285".ap.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 13:21 |
| S33 | 0    | "5703581".ap.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 13:21 |

## EAST Search History

|     |       |   |   |    |     |                  |
|-----|-------|---|---|----|-----|------------------|
| S34 | 2     | "5703581".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 13:31 |
| S35 | 6     | "687218".ap.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 13:47 |
| S36 | 5     | "472405".ap.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/28 13:47 |
| S37 | 1     | "5774588".pn. and (alphanumeric or non?alphanumeric)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 15:31 |
| S38 | 97634 | one adj bit   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 11:43 |
| S39 | 82993 | S38 and @ad<"20030901"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 11:43 |
| S40 | 1     | (symbol\$1 near3 represent\$1 near3 email)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 11:52 |
| S41 | 1894  | ((symbol\$1 near3 represent\$1) near3 (email or address or number)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 11:54 |

## EAST Search History

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S42 | 1487 | S41 and @ad<"20030601"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 11:53 |
| S43 | 1893 | S41 and ((symbol\$1 near3<br>represent\$1) near3 (address or<br>number))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 11:55 |
| S44 | 1    | S41 and ((symbol\$1 near3<br>represent\$1) near3 email)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 11:54 |
| S45 | 77   | S43 and alphanumeric  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 11:57 |
| S46 | 60   | S45 and @ad<"20030601"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 12:05 |
| S47 | 1156 | "L60" and (symbol or represent\$4 or<br>email\$1 or address or number\$1) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 12:05 |
| S48 | 60   | S46 and (symbol or represent\$4 or<br>email\$1 or address or number\$1)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 12:51 |
| S49 | 0    | "687218".ap. and perempt\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 12:51 |

## EAST Search History

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S50 | 6    | "687218".ap.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 12:51 |
| S51 | 3    | "687218".ap. and predetermined   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 13:26 |
| S52 | 1    | (abort\$5 or perempt\$5) with<br>(search\$5 near3 (predetermined near3<br>time)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 12:53 |
| S53 | 1    | "687218".ap. and prefix  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 15:24 |
| S54 | 1    | "687218".ap. and (hierarchy or leaf)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 15:25 |
| S55 | 0    | "5774588".pn. and (hierarchy or leaf)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 15:31 |
| S56 | 6946 | bit near2 vector\$1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 15:36 |
| S57 | 5947 | S56 and @ad<"20031001"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 15:36 |



## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S58 | 127 | S57 and ((bit near2 vector\$1) with string\$1)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 15:36 |
| S59 | 36  | S58 and (hierarchy or tree\$1)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 16:42 |
| S60 | 0   | "4935870".pn. and hierarchy                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 15:42 |
| S61 | 0   | "4814972".pn. and hierarchy                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 15:46 |
| S62 | 2   | "6047283".pn. and (tree or vector or hierarchy)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 16:03 |
| S63 | 2   | "4606002".pn. and (tree or vector or hierarchy)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 16:03 |
| S64 | 30  | S59 and (logical or boolean)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 16:43 |
| S65 | 4   | S64 and ((logical or boolean) with (zero\$2 or non?zero\$2)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/29 16:43 |